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Applicants : Kevin C. McCarthy, Eugenie V. Uhlmann and
Niall R. Lynam
For : COMPLETE MIRROR-BASED GLOBAL-
POSITIONING SYSTEM (GPS) NAVIGATION
SOLUTION
: Preliminary Amendment
Page : 4

In the Specification:

Please amend the specification as follows:

Please amend the paragraph beginning on page 1, line 4, as follows:

This application is a continuation of patent application Ser. No. 10/287,178, filed on Nov. 4, 2002, now United States Patent No. 6,678,614, which is a continuation of patent application Ser. No. 09/799,414, filed on Mar. 5, 2001, now United States Patent No. 6,477,464, which claims priority from United States provisional patent application Ser. No. 60/187,960, filed on Mar. 9, 2000, the disclosure of which is hereby incorporated herein by reference in its entirety disclosures of which are hereby incorporated herein by reference in their entirety, and is a continuation-in-part of United States patent application Ser. No. 09/449,121, filed on Nov. 24, 1999, now United States Patent No. 6,428,172 B1.

Please amend the paragraph beginning on page 2, line 29, and ending on page 3, line 18, as follows:

Referring now to the drawings and the illustrated embodiments depicted therein, a vehicular rearview mirror-based navigation system 10, in a preferred embodiment of the present invention, includes one or more GPS receiving systems 11 exterior mirror-mounted antennas 12 that receive location information from GPS satellites. A GPS receiver 14, to which is connected the GPS antenna 12, may also be mounted within an exterior side view mirror assembly 15. The geographic data output from the GPS receiver 14 is then transferred to an interior rearview mirror assembly 17 for display with the driver via a communication channel 16 such as by a wire connection, a vehicle data bus connection such as a LIN (Local Interconnect Network) or a CAN bus, as known in the art, or wirelessly such as via short-range RF data transmission using a protocol such as the BLUETOOTH protocol such as is

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available from Motorola of Schaumburg, Illinois. Alternatively, a GPS receiving system 11 including an interior-mounted GPS antenna 12' and GPS receiver 14' may be mounted at interior rearview mirror assembly 17. More particularly, the interior-mounted GPS antenna 12' and/or the GPS receiver 14' may be positioned at either the movable portion of the interior rearview mirror assembly or the fixed portion of the interior rearview mirror assembly. Preferably, the display of the GPS information at interior rearview mirror assembly 17 provides driver informational messages such as turn-by-turn instructions, such as shown in FIG. 1. This can be displayed using a dot-matrix, pixelated display 18 such as vacuum fluorescent display or an organic electro-luminescent display or a field-emission display or a plasma display or a similar light-emitting display, or by a non-emitting display such as a liquid crystal display in the chin of the interior mirror assembly mirror, in an eyebrow over the mirror and/or in a display visible within the mirror reflector 19 which would update the driver by line-by-line or by scrolling messages which keep the driver updated using GPS positioning techniques such as differential location discrimination which has preferred accuracy of less than 5 m.